Clayton Environmental Consultants, Inc.

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Third Quarter
Groundwater Monitoring Event
at
Stoody Company
16425 Gale Avenue
City of Industry, California

Clayton Project No. 21171.00 December 18, 1989

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EXECUTIVE SUMMARY

Clayton Environmental Consultants, Inc. was retained by the Stoody Company to conduct the third quarterly groundwater monitoring analysis from four onsite monitoring wells (MW-1, MW-2, MW-3, MW-4) at their City of Industry facility.

The objective of the third quarterly groundwater investigation was to provide additional information to the California Regional Water Quality Control Board (CRWQCB) to aid in their decision regarding the frequency of future groundwater analyses.

Results from the third quarterly analysis support the second quarterly results in that all of the chemical compounds detected in samples from the onsite downgradient wells (MW-1, MW-2, MW-3) were also present in the samples from the upgradient well (MW-4). During the initial groundwater analysis (January 30, 1989) three compounds (benzene, toluene, and chlorobenzene) were detected in a sample from the downgradient well (MW-2) that were not present in the sample from the upgradient well (MW-4). However, these compounds did not appear in any of the samples from the monitoring wells in the second and third quarter analyses, nor were they detected in any of the onsite soil analyses.

Based on the latter information, Clayton believes that the various chemical compounds detected in the groundwater are attributable to offsite sources and not the result of chemical use by the Stoody Company. Third Quarter
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1.0 INTRODUCTION

This report documents the results of the third quarter groundwater monitoring event at the Stoody Company facility located at 16425 Gale Avenue, in the City of Industry, California. Activities conducted during this third monitoring event included measurements of water levels in the four onsite monitoring wells (MW-1, MW-2, MW-3, and MW-4), and sampling and analysis of groundwater from these four wells. Clayton previously performed groundwater sampling at the facility on August 2, 1989, during the second quarter groundwater monitoring event.

2.0 FIELD ACTIVITIES

Water-level measurement and groundwater sample collection occurred on October 16, 1989. Procedures followed during these activities are outlined below.

2.1 WATER-LEVEL MEASUREMENTS

Water-level measurements were taken on October 16, 1989 using a TeflonTM measuring tape. The measurements were then retaken with an electronic water level measuring device (Slope Indicator Company Water Level Indicator, Model 51453). Water level measurements are accurate to within 0.01-inches and ranged from 26.96 feet to 29.37 feet. Water level measurements are listed in Table 1.

2.2 GROUNDWATER SAMPLING

The groundwater monitoring wells were sampled on October 16, 1989. Prior to sampling, the wells were purged using a steel bailer attached to a truck-mounted mast/pulley system (a well development rig). The bailer and attached cable were steam-cleaned between wells. A minimum of three casing volumes of water was removed from each well. Water quality

parameters (pH, temperature, and electrical conductivity) were measured after removal of each casing volume. Purging was discontinued after the minimum number of casing volumes was removed and the water quality parameters stabilized to within 10 percent of the parameter values obtained for the previous casing volume. Water quality parameters are provided on the water sampling field survey forms (Appendix A).

Precleaned, hand-held TeflonTM bailers attached to nylon line were used to collect the groundwater samples. The bailers were washed with tap water and trisodium phosphate (TSP) between sampling events. The washing was followed by a double-rinsing with deionized water. To further enhance cleanliness during the sampling procedures, the area immediately adjacent to each well was covered with plastic sheeting. In addition, Clayton personnel wore precleaned NeopreneTM gloves during sample collection and handling.

The samples were collected using the container and preservation guidelines of the U.S. Environmental Protection Agency (EPA 40 CFR 136). After being filled with groundwater, the sample containers were labeled, wrapped in shock-absorbing foam sheeting, and placed on ice in a portable cooler. A sample was also collected, using similar procedures, from the deionized water rinseate (labeled: field blank) used between sampling events.

Within 24 hours of collection, the samples were transported, under standard chain-of-custody procedures, to Clayton's state-certified laboratory in Pleasanton, California, for analysis. Purged groundwater was placed in Class 17-H, 55-gallon drums. The drums were labeled and placed onsite for disposal by the Stoody Company.

3.0 LABORATORY ANALYTICAL RESULTS

Laboratory analysis was provided by Clayton's laboratory, located in Pleasanton, California. The laboratory is certified by the California Department of Health Services.

The groundwater samples were analyzed using EPA Method 624-Modified (for purgeable organics), EPA Method 625 (for acid and base/neutral extractables), and inorganic laboratory analyses for total dissolved solids (TDS), chloride, nitrate, and sulfate.

No compounds were detected, at concentrations at or above detection limits, through analysis by EPA Method 625.

As indicated by the laboratory analytical report, a variety of compounds were detected through analysis by EPA Method 624. Compounds detected in samples collected from each of the four wells include the following: (1) 1,1-dichloroethene at concentrations ranging from 6 to 32 micrograms per liter (ug/l), (2) trichloroethene at concentrations ranging from 21 to 73 ug/l, and (3) tetrachloroethene at concentrations ranging from 36 to 120 ug/l. Trichlorofluoromethane and trans-1,2-dichloroethene were detected for the first time since the sampling program began in the third quarterly analysis of samples from MW-1, MW-2, and MW-4. Table 2 provides a summary of the analytical results of analysis by EPA Method 624.

As shown on Table 3, TDS, chloride, nitrate, and sulfate concentrations were similar in the samples collected from each well. TDS concentrations ranged from 830 to 1300 milligrams per liter (mg/l); chloride from 85 to 160 mg/l, nitrate from 7.0 to 15 mg/l, and sulfate from 220 to 340 mg/l.

Compounds were present in the field blank sample; however, these chemicals did not exist in any of the groundwater samples. This indicates that cross contamination of the groundwater samples did not occur and that the compounds detected were in the water rinseate and not in the samples from the monitoring wells. The laboratory analytical report and chain-of-custody form are provided in Appendix B.

4.0 DISCUSSION

The static water levels in the four monitoring wells have dropped an average of 1.05 feet since the last sampling event. The greatest change in water level occurred in MW-3, where the water level dropped 1.09 feet. The smallest change occurred in MW-2, where the water level dropped 0.99 feet.

Groundwater quality parameters are generally consistent with values from the previous sampling conducted but do show some increases and decreases.

The laboratory analytical report shows that the chemical compounds found in the downgradient wells also appear, at similar concentrations, in the upgradient well (MW-4). These results are generally consistent with conditions found onsite during the second quarter of groundwater monitoring with the exception of trichlorofluoromethane and trans-1,2-dichloroethene. These two compounds appeared for the first time in the third quarter results but again, existed in both upgradient and downgradient wells.

5.0 CONCLUSIONS

Water-level measurements and groundwater samples were collected from four onsite monitoring wells located at the Stoody Company facility.

The groundwater samples were analyzed using EPA Method 624-Modified, EPA Method 625, and inorganic laboratory analyses for total dissolved solids, chloride, nitrate, and sulfate.

Results from the third quarterly analysis support the second quarterly results in that all of the chemical compounds detected in samples from the onsite downgradient wells (MW-1, MW-2, MW-3) were also present in the upgradient well (MW-4). During the initial groundwater analysis (January 30, 1989: Clayton Project No. 21171.00), three compounds (benzene, toluene, and chlorobenzene) were detected in the downgradient well (MW-2), but not in the upgradient well (MW-4). However, these compounds did not appear in any of the samples from the monitoring wells in the second and third quarter analyses, nor were they detected in any of the onsite soil analyses. These data indicate an offsite source(s) for these compounds.

This report prepared by:

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December 18, 1989

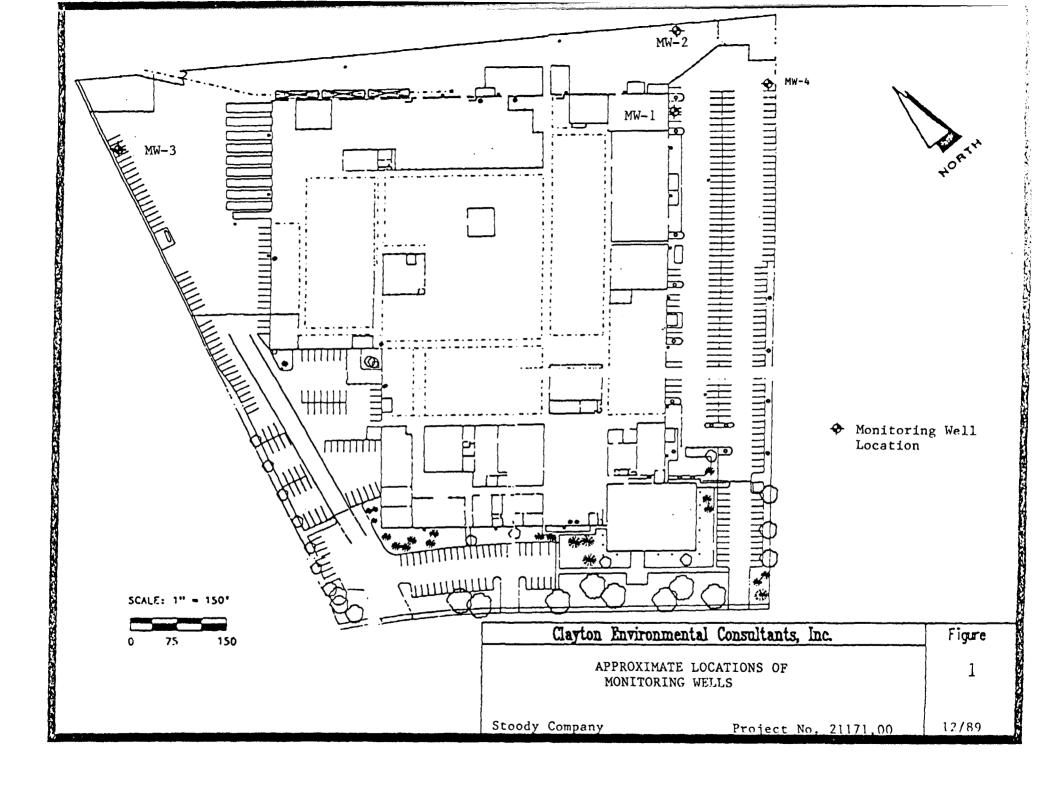


TABLE 1
GROUNDWATER MONITORING WELL DATA

Monitoring Well	MW-1	MW-2	MW-3	MW-4
California Coordinates, Northerly	4 115 307.68	4 115 400.79	4 115 618.57	4 115 298.41
California Coordinates, Easterly	4 304 954.04	4 305 006.99	4 304 433.62	4 305 083.28
Elevation of top of well casing (MSL)	352.18	351.12	349.34	353.55
Total depth of well	45 feet	45 feet	45 feet	44.92 feet
Date of measurement	8/2/89	8/2/89	8/2/89	8/2/89
Depth to water from top of casing	27.07 feet	25.97 feet	28.28 feet	27.70 feet
Elevation of water(MSL)	325.11 feet	325.15 feet	321.06 feet	325.85 feet
Date of Measurement	10/16/89	10/16/89	10/16/89	10/16/89
Depth to water from top of casing	28.15 feet	26.96 feet	29.37 feet	28.76 feet
Elevation of water (MSL)	324.03 feet	324.16 feet	319.97 feet	324.79 feet

TABLE 2 **EPA METHOD 624 LABORATORY ANALYTICAL RESULTS** MONITORING WELL MW-1 GROUNDWATER SAMPLES

Date of Analysis		2/3/89	8/24/89	10/25/89
	DHS Action Level	Concentration	Concentration	Concentration
Compound	ug/L (ppb)	ug/L (ppb)	ug/L (ppb)	ug/L (ppb)
Chloromethane		ND	ND	ND
Bromomethane		ND	ND	ND
Vinyl Chloride	2	ND	ND	ND
Chloroethane		ND	ND	ND
Methylene chloride	40	ND	ND	ND
Trichlorofluoromet hane	3,400	ND	ND	8
1,1-dichloroethene	as ethylene 6	31	27	32
1,1-dichloroethane	20	ND	ND	ND
Trans-1,2-dichloroethene	as ethylene 16	ND	ND	ND
Chloroform		ND	ND	ND
1,2-dichloroethane	1	ND	ND	ND
1,1,1-trichloroethane	200	ND	ND	3
Carbon tetrachloride	5	ND	ND	ND
Bromodichloromethane		ND	ND	ND
1,2-dichloropropane	10	ND	ND	ND
Cis-1,3-dichloropropene		ND	ND	ND
Trichloroethene	as ethylene 5	130	59	73
Benzene	0.7	ND	ND	ND
Dibromochloromethane		ND	ND	ND
1,1,2-trichloroethane	100	ND	ND	ND
Trans-1,3-dichloropropene		ND	ND	ND
2-chloroethylvinylether		ND	ND	ND
Bromoform		ND	ND	ND
1,1,2,2-tetrachloroethane		ND	ND	ND
Tetrachloroethene	as ethylene 4	190	49	120
Toluene	100	3	ND	ND
Chlorobenzene	30	ND	ND	ND
Ethylbenzene	680	ND	ND	ND
1,3-dichlorobenzene	130	ND	ND	ND
1,2-dichlorobenzene	130	ND	ND	ND
1,4-dichlorobenzene	Limit of quantif. = 0.5	ND	ND	ND
Freon 113	18,000	10	14	19
Total Xylenes	620	ND	ND	ND

mg/L = milligrams per liter
ug/L = micrograms per liter
ND = not detected at or above detection limit

TABLE 2 (continued)
EPA METHOD 624 LABORATORY ANALYTICAL RESULTS
MONITORING WELL MW-2 GROUNDWATER SAMPLES

Date of Analysis		2/3/89	8/4/89	10/25/89
Compound	DHS Action Level ug/L (ppb)	Concentration ug/L (ppb)	Concentration ug/L (ppb)	Concentration ug/L (ppb)
Chloromethane		QN ON	QX	Q
Bromomethane		QN	QX	Q
Vinyl Chloride	2	ΩN	Q	QN
Chloroethane	: •	ΩN	Q	Q
Methylene chloride	40	ΩN	QX	Q
Trichlorofluoromethane	3,400	QN	QX	4
1,1-dichloroethene	as ethylene 6	61	19	18
1,1-dichloroethane	20	QN	QN	QN
Trans-1,2-dichloroethene	as ethylene 16	QN QN	QN	4
Chloroform	: :	ΩN	QN	QN
1,2-dichloroethane		QN	ND	S S
1,1,1-trichloroethane	200	ND	QN	QN
Carbon tetrachloride	'n	NO ON	QN	QN
Bromodichloromethane	1	QN	QN	QN
1,2-dichloropropane	10	QN QN	ND	QN ON
Cis-1,3-dichloropropene	1 1	ND	QN	QN
Trichloroethene	as ethylene 5	130	46	37
Benzene	0.7	31	QN	Q.
Dibromochloromethane	!	QX	ND	QN ON
1,1,2-trichloroethane	100	QN	ND	QN
Trans-1,3-dichloropropene	; ;	ΩN	QN	QN
2-chloroethylvinylether	;	ΩN	QN	NO ON
Вгошобогш	:	ΩN	QN	QN
1,1,2,2-tetrachloroethane	!!!	ΩŽ	QN	QX
Tetrachloroethene	as ethylene 4	160	43	120
Toluene	100	39	QN	QN
Chlorobenzene	30	39	QN	QN
Ethylbenzene	089	ΩN	QN	QN
1,3-dichlorobenzene	130	QX	QN	QX
1,2-dichlorobenzene	130	Š	QN	QN
1,4-dichlorobenzene	Limit of quantif. = 0.5	S	QN	CIN
Freon 113		∞	6) =
Total Xylenes	620	QN	QN	: <u>S</u>

mg/L = milligrams per liter
ug/L = micrograms per liter
ND = not detected at or above detection limit

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TABLE 2 (Continued) EPA METHOD 624 LABORATORY ANALYTICAL RESULTS MONITORING WELL MW-3 GROUNDWATER SAMPLES

Date of Analysis		2/3/89	8/4/89	10/25/89
Compound	DHS Action Level ug/L (ppb)	Concentration ug/L (ppb)	Concentration ug/L (ppb)	Concentration ug/L (ppb)
Chloromet hane		ND	ND	ND
Bromomethane		ND	ND	ND
Vinyl Chloride	2	ND	ND	ND
Chloroethane		ND	ND	ND
Methylene chloride	40	ND	ND	ND
Trichlorofluoromethane	3,400	ND	ND	ND
1.1-dichloroethene	as ethylene 6	ND	16	6
1,1-dichloroethane	20	ND	ND	ND
Trans-1,2-dichloroethene	as ethylene 16	ND	ND	ND
Chloroform		ND	ND	ND
1,2-dichloroethane	1	ND	ND	ND
1,1,1-trichloroethane	200	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Bromodichloromethane		ND	ND	ND
1,2-dichloropropane	10	ND	ND	ND
Cis-1,3-dichloropropene		ND	ND	ND
Trichloroethene	as ethylene 5	25	42	21
Benzene	0.7	ND	ND	ND
Dibromochloromethane		ND	ND	ND
1,1,2-trichloroethane	100	ND	ND	ND
Trans-1,3-dichloropropene		ND	ND	ND
2-chloroethylvinylether		ND	ND	ND
Bromoform		ND	ND	ND
1,1,2,2-tetrachloroethane		ND	ND	ND
Tetrachloroethene	as ethylene 4	64	39	36
Toluene	100	ND	ND	ND
Chlorobenzene	30	ND	ND	ND
Ethylbenzene	680	ND	ND	ND
1,3-dichlorobenzene	130	ND	ND	ND
1,2-dichlorobenzene	130	ND	ND	ND
1,4-dichlorobenzene	Limit of quantif. $= 0.5$	ND	ND	ND
Freon 113	18,000	ND	7	ND
Total Xylenes	620	ND	ND	ND

mg/L = milligrams per liter ug/L = micrograms per liter

ND = not detected at or above detection limit

TABLE 2 (Continued)
EPA METHOD 624 LABORATORY ANALYTICAL RESULTS
MONITORING WELL MW-4 GROUNDWATER SAMPLES

Concentration DHS Action Level Concentration Concentration Concentration Chloromethane	Date of Analysis		3/30/89	8/4/89	10/25/89
1.1. ND ND ND ND ND ND ND N	Compound	DHS Action Level	Concentration ug/L (ppb)	Concentration ug/L (ppb)	Concentration ug/L (ppb)
ND ND ND					
1 ND ND	Chloromethane	!	QZ QZ	QN	QN
2 ND ND wride 40 ND ND methanc 3,400 ND ND ane 20 ND ND inne 20 ND ND inne 20 ND ND inne 1 ND ND inne 20 ND ND inne ND ND ND inne <th< td=""><td>Bromomethane</td><td>: -</td><td>N ON</td><td>QN</td><td>Q</td></th<>	Bromomethane	: -	N ON	QN	Q
riche 1 ND ND methane 3,400 ND ND eine 23,400 ND ND eine 20 ND ND invocthene as ethylene 16 ND ND invocthene as ethylene 16 ND ND invocthene as ethylene 16 ND ND invocthene 200 ND ND invocthene 20 ND	Vinyl Chloride	7	QN	QN	GN
ride 40 ND ND methane 3,400 ND ND ene as ethylene 6 11 10 lorocethene as ethylene 16 ND ND ND ND ND sane 1 ND ND sane 1 ND ND sane ND ND loriche 5 ND ND methane ND ND e as ethylene 5 44 26 nopropropene ND ND e as ethylene 5 44 26 loropropene ND ND nopropropene ND ND noropropene ND ND norothane ND ND norothane ND ND nzene 130 ND ND z	Chloroethane	:	QN	QN	CN
matchane 3,400 ND ND sate ethylene 6 11 ND ND lorocthene 20 ND ND sate thylene 16 ND ND ND sate thylene 16 ND ND ND sate thylene 1 ND ND ND sthane 10 ND ND coprage ND ND copyrate ND ND methane ND ND copyrate ND ND copyrate ND ND copyrate ND ND copyrate ND ND	Methylene chloride	40	QN	GN	CX
tene 20 se thylene 6 11 10 100 tane 20 11 10 100 tane 20 11 10 100 tane 20 1 1 10 100 that as ethylene 16 ND ND ND ND ND that and the copyopoene 20 10 10 100 ND	Trichlorofluoromethane	3,400	QN	QN	, **1
NEW Properties	1,1-dichloroethene	as ethylene 6	11	10	22
Name	1,1-dichloroethane	, 07	ND	QN	
NE	Trans-1,2-dichloroethene	as ethylene 16	QN	CZ	1
NE	Chloroform		QN	Q	CN
thane 200 ND	1,2-dichloroethane	1	QN	Q	CX
loride 5 ND	1,1,1-trichloroethane	200	CN	CN	CN
methane ND ND spane 10 ND ND copropene ND ND e as ethylene 5 44 26 no.7 ND ND ND methane ND ND cthane 100 ND ND inylether ND ND inylether ND ND cne as ethylene 4 55 36 no ND ND ND sne as ethylene 4 55 36 no ND ND ND no ND ND ND nzene 130 ND ND nzene Limit of quantif. = 0.5 ND ND nzene 130 ND ND nzene 130 ND ND nzene 130 ND ND nzene <td< td=""><td>Carbon tetrachloride</td><td>'n</td><td>QN</td><td>QN</td><td>QX</td></td<>	Carbon tetrachloride	'n	QN	QN	QX
opane 10 ND ND copropene ND ND e as ethylene 5 44 26 o.7 ND ND ND ethane ND ND ethane ND ND otopropene ND ND injether ND ND injether ND ND injether ND ND injether ND ND injether 55 36 ND injether 55 ND ND injether ND ND ND injether ND ND ND injether <th< td=""><td>Bromodichloromethane</td><td>•</td><td>QX</td><td>QN</td><td>R</td></th<>	Bromodichloromethane	•	QX	QN	R
ropropene as ethylene 5	1,2-dichloropropane	10	QN	QN	QX
e as ethylene 5 44 26 0.7 ND ND ND methane ND ND sthane 100 ND ND ioropropene ND ND inylether ND ND ioroethane ND ND cne 100 ND ND cne 100 ND ND cne 100 ND ND nzene 130 ND	Cis-1,3-dichloropropene	!!!	ND	ND	R
methane 0.7 ND ND ethane 100 ND ND bloropropene ND ND ND ND ND inylether ND ND loroethane ND ND loroethane ND ND loroethane ND ND cee 100 ND ND gene 100 ND ND gene 130 ND ND nzene 130 ND ND nzene Limit of quantif. = 0.5 ND ND 18,000 3 4 620 ND ND	Trichloroethene	as ethylene 5	44	26	52
methane ND ND tihane 100 ND ND loropropene ND ND inylether ND ND loroethane ND ND loroethane ND ND loroethane ND ND see 100 ND ND gene 100 ND ND nzene 130 ND ND nzene Limit of quantif. = 0.5 ND ND nzene Limit of quantif. = 0.5 ND ND 18,000 3 4 620 ND ND	Benzene	0.7	QN	ND CN	Q
thane 100 ND ND iloropropene ND ND ND ND ND ND ND ND cne ND ND cne ND ND cne 100 ND ND cne 100 ND ND sas ethylene 4 55 36 nD ND ND ND sas ethylene 4 55 36 ND nzene 130 ND ND ND nzene Limit of quantif. = 0.5 ND ND ND nzene Limit of quantif. = 0.5 ND ND A 18,000 3 4 A 620 ND ND ND ND	Dibromochloromethane	!	QN	ND	QN
ND ND ND	1,1,2-trichloroethane	100	Ð	QN	QN
ND ND ND	Trans-1,3-dichloropropene	•	QN	QN	QN
ND ND ND	2-chloroethylvinylether	:	ND	QX	QN
loroethane ND ND ene as ethylene 4 55 36 100 ND ND ND 30 ND ND ND 680 ND ND ND nzene 130 ND ND nzene Limit of quantif. = 0.5 ND ND 18,000 3 4 620 ND ND	Вготобогт	:	QN QN	QN	QN
ene as ethylene 4 55 36 100 ND ND 30 ND ND 680 ND ND nzene 130 ND ND nzene Limit of quantif. = 0.5 ND ND 18,000 3 4 620 ND ND ND ND ND	1,1,2,2-tetrachloroethane	!!!	QN	QN	Q
100 ND ND 30 ND ND 680 ND ND 130 ND ND nzene Limit of quantif. = 0.5 ND ND 18,000 3 4 620 ND ND ND ND ND ND ND ND 18,000 3 4 620 ND ND	Tetrachloroethene	as ethylene 4	55	36	120
30 ND	Toluene	100	QX	CN	E
ene 680 ND ND cobenzene 130 ND ND cobenzene Limit of quantif. = 0.5 ND ND robenzene Limit of quantif. = 0.5 ND ND 18,000 3 4 ncs 620 ND ND	Chlorobenzene	30	QN	C Z	€
Obenzene 130 ND ND Obenzene 130 ND ND Obenzene Limit of quantif. = 0.5 ND ND 18,000 3 4 nes 620 ND ND	Ethylbenzene	089	QX	C Z	? 5
Obenzene 130 ND ND Obenzene Limit of quantif. = 0.5 ND ND 18,000 3 4 nes 620 ND ND	1,3-dichlorobenzene	130	QX	: S	? £
Obenzene Limit of quantif. = 0.5 ND ND 18,000 3 4 nes 620 ND ND	1,2-dichlorobenzene	130	CZ.	QX	
18,000 3 7 7 4 Incs 620 ND ND	1,4-dichlorobenzene		QX	C Z	
620 ND ND	Freon 113	•	, (1)	9	5 5
	Total Xvienes	620	CN	· CIN	e g
) 	į	Ü	טמ

mg/L = milligrams per liter
ug/L = micrograms per liter
ND = not detected at or above detection limit

TABLE 3

TOTAL DISSOLVED SOLIDS
CHLORIDE, NITRATE, AND SULFATE ANALYSES RESULTS

MONITORING WELL	TDS (mg/l)	CHLORIDE (mg/l)	NITRATE (mg/l)	SULFATE (mg/l)
MW-1	1000	120	12.0	290
MW-2	920	100	8.7	250
MW-3	1300	160	15.0	340
MW-4	830	85	7.0	220
Field Blank	540	70	2.3	150

mg/l = milligrams per liter

APPENDIX A WATER SAMPLING FIELD SURVEY FORMS

WATER SAMPLING FIELD SURVEY FORM

Job # 21171.00	Sit	e: Stoody	Company		Date:	10/16/89
Well # MW-1	Sam	pling Team:	Ken Vernon			
Sampling Method: Ha	nd-bailing	with teflor	n bailer.			
Field Conditions:	Sunny and	cool.				
	D 0 - D 6					_
		•		risodium	phospha	ite and tap water wash
followed by deioni	zed water o	double rinse	е.	· · · · · · · · · · · · · · · · · · ·		
Total Depth of Well: 45	feet	Time: 06:		to Wate: Before		28.15 feet
Height of Water		Diam 2-inch	4-inch	Volume		Purge Volume Factor to Purge
Column: 16.85	feet	• .16	65 = 1	0.95	gal *	3 32.85 Gal
Depth Purging From	: 30	eet.	Time Purging	Begins:_	07:08	<u> </u>
Notes on Initial D	ischarge: <u>I</u>	light brown,	, moderate tu	rbidity,	odorles	ss
Time Volum	me Purged	Но	Conductiv	ity	T	Notes Light brown, moderate
07:21 10	gal.	6.25	1040us		o.c	turbidity, odorless.
07:53 10	gal.	6.28	1050us	20	o.c	Light brown, moderate turbidity, odorless.
08:16 10	gal.	6.26	1040us	20	o.c	Light brown, moderate turbidity, odorless
08:36 10	gal.	6.31	1060us	20	o.c	Light brown, moderate turbidity, odorless
		•			-	

WATER SAMPLING PIELD SURVEY FORM . (CONTINUED)

Pime Field Parameter Measurement Begins: 08:50									
	Rep #1	Rep ≬ 2	Rep #3	Rep #4					
рН	6.26	6.29	6.31						
Conductivity	1040us	1050us	1039us						
T°C	20°C	20 °C	20°C						
Pre-Sample Collection Gallons Purged: 40 Time Sample Collection Ends: 09:05 Total Gallons Purged: 42									
Comments:									
			•						
	-								

WATER SAMPLING PIELD SURVEY FORM

Job 21171.00	Site: Stoody	Comapny	_ Date:_	10/16/89
Well #	_ Sampling Team	Ken Vernon		
Sampling Method: Hand	-bailing with tefl	on bailer.		
Field Conditions: Sun	ny and cool.			
			1	
• -			llum phospr	ate and tap water wash,
followed by deionize	d water double rin	se.		
Total Depth of Well: 45	feet Time: 09:	Depth to W		;
Height of	Dia 2-inch	meter 4-inch Volu	me	Purge Volume Factor to Purge
Water Column: 18.04	feet * .16	65 = <u>11.73</u>	gal *	3 * 35.19
Depth Purging From:	30 feet.	Time Purging Begin	09:20	
Notes on Initial Disc	charge: Medium bro	wn, moderate turbid	lity, odorl	ess.
Time Volume	Purged pH	Conductivity	<u>T</u>	Notes
09:32 10 g	al 6.39	1255us	20°C	Medium brown, moderat turbidity, odorless
09:51 10 g.	al 6.42	1300us	20°C	Medium brown, moderat turbidity, odorless
				Light borwn, low
10:16 10 g.	6.45	1295us	20°C	turbidity, odorless Light brown, low
10:40 10 g	al 6.44	1310us	20°C	turbidity, odorless
		•		

WATER SAMPLING FIELD SURVEY FORM . (CONTINUED)

Time Field Parameter Mea	surement Begins:	10:51		
	Rep 11	Rep #2	Rep #3	Rep #4
рн	6.41	6.44	6.40	
Conductivity	1360us	1370us	1375us	
T°C	20°C	20°C	20°C	
Time Sample Collection B Time Sample Collection E Total Gallons Purged: 42	inds: 11:10			
Comments:				<i>:</i>
				
				-

WATER SAMPLING FIELD SURVEY FORM

Job #	21171.00	Si	te:	Stoody	Compan	у		Date:_	10/16/89)	
Well # _	<i>K</i> −3	Sa	mpling	Team:	Ken	Verno	on			~ ~	
Sampling h	Sethod: Hand	d bailing	g.								
Field Cond	ditions: C	loudy and	d cool					·			
Describe 1	Equipment D	-Con Bef	ore Sa	mpling	This W	ell:	Trisodiu	m phosph	ate and t	ap wat	er wash,
followed	by deionize	ed water	double	rinse	₽.						
								·			
Total Dept	t h 45	feet	Time:	11:29) 	•	th to Wat er Before		: 29.37		feet
Height of Water				Diam inch	eter 4-inch		Volume		Purge Factor		Volume o Purge
Column:	15.63	_ feet	• .	16	(.65)	* -	10.16	gal *	3	-	30.48
Depth Pur	ging From:	32	feet.	,	Time Pu	rging	g Begins:	11:41			
Notes on	Initial Dis	charge:	Mediu	ım brov	vn, mod	erate	turbidi t	ty, odor	less		
Time	Volume	Purged		рН	Cond	lucti	vity	T		Notes	
11:59	10 8	gal	_6.	. 45	141	0us		21 °C	turbidi	ty, or	
12:21	10 g	ga1	6.	.41	145	Ous		21 °C	Medium turbidi		moderate orless
12:50	10 8	gal	6.	40	145	0us		21°C	Light b turbidi	ty, od	orless
13:02	5_	gal	_6.	.39	141	0us		21°C	Light b turbidi		
<u></u>											
	-						· · · · · ·				

WATER SAMPLING FIELD SURVEY FORM . (CONTINUED)

Time Field Parameter Measurement Begins: 13:15						
	Rep #1	Rep #2	Rep #3	Rep #4		
ρН	6.41	6.45	6.40			
Conductivity	1400us	1420us	1440us			
T°C	21 °C	21 °C	21 °C			
Pre-Sample Collection Gallo Time Sample Collection Begi Time Sample Collection Ends Total Gallons Purged: 37	ns: 13:26	35				
Comments:						
						
			•			
			······································			

WATER SAMPLING PIELD SURVEY PORM

Job # 21171.	00	Site:	Stoody	Company	<u></u>		Date:	10/16/89	
Well # MN-4		Samplin	g Team:	Ken V	ernon		· • · · · · · · · · · · · · · · · · · ·		
Sampling Metho	od: Hand bail	ing							
Field Condition	ons: Cloudy	and coo)1			···			
Describe Equi	pment D-Con	Befor e S	ampling	This We	:11:_Tr	isodium	n phospha	ite and tap	water wash,
followed by d	eionized wat	er doubl	e rinse	e					
Total Depth of Well: 45	fee	t Time	: 13:59		-	to Wate	er Pumping:	28.76	feet
Height of		<u>-</u>	Diam -inch	4-inch		Volume		Purge Factor	Volume to Purge
Water Column: 16.	24 fee		.16	65		10.56	gal *	_3	_31.68_
Depth Purging	From: 33	feet.		Time Pur	rging E	Begins:	14:09		
Notes on Init	ial Discharg	e: Med	ium bro	own, mod	erate	turbidi	ity, odor	less	
Time	Volume Purg	ed _	рН	Condu	ctivit	: y _	T	Not	e s
14:21	10 gal		.65	1130	us		21 °C	turbidity,	wn, moderate odorless
14:39	10 gal	6	.63	1110	us		21°C		wn, moderate odorless
14:52	10 gal	6	.60	1125	us		21 °C	Light brow turbidity.	n, low odorless
15:06	5 ga1		6.61	1135	us		21°C	Light brow turbidity,	n, low
			-	<u> </u>		- -			
	**************************************					_ _			

WATER SAMPLING FIELD SURVEY FORM . (CONTINUED)

Time Field Parameter Measurement Begins: 15:19

ine itela latameter nec	iourement begins:	13.17		
	Rep 11	Rep #2	Rep #3	Rep #4
ρН	6,60	6.60	6.62	
Conductivity	1130us	1145us	1135us	
T°C	21 °C	21°C	21 °C	
Pre-Sample Collection Ga	allons Purged:	35		
Time Sample Collection E	Begins: 15:29			
Time Sample Collection E	Ends: 15:45			
Total Gallons Purged: 37				
Comments:				
			·	

APPENDIX B

LABORATORY RESULTS AND CHAIN-OF-CUSTODY FORM

Clayton Environmental Consultants, Inc.

P.O. Box 9019 • 1252 Quarry Lane • Pleasanton, CA 94566 • (415) 426-2600

October 31, 1989

Mr. Ken Vernon CLAYTON ENVIRONMENTAL CONSULTANTS 5736 Corporate Ave. Cypress, CA 90630

> Client Ref. No. 21171.00 Work Order No. 8910185 Lab Client Code INT_EEC

Dear Mr. Vernon:

Attached is our analytical laboratory report for the samples received on October 17, 1989. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Maryann Gambino, Client Services Representative, at (415) 426-2657.

Sincerely,

Ronald H. Peters, CIH

Manager, Laboratory Services

Western Operations

RHP/tb

Attachment

EPA METHOD 625 ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: STOODY, MW-1 Sample Received: 10/17/89 Sample Extracted: 10/20/89 Sample Analyzed: 10/24/89 Sample Matrix: WATER		Client: STOODY / Client Ref. No.: Lab Client Code: Lab No.: 8910185	INT_EEC
Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
ACID COMPOUNDS			
Phenol 2-chlorophenol 2-nitrophenol 2,4-dimethylphenol 2,4-dichlorophenol 4-chloro-3-methylphenol 2,4,6-trichlorophenol 2,4-dinitrophenol 2,4-dinitrophenol 4-nitrophenol 2-methyl-4,6-dinitrophenol Pentachlorophenol BASE/NEUTRAL COMPOUNDS	108-95-2 95-57-8 88-75-5 105-67-9 120-83-2 59-50-7 88-06-2 51-28-5 100-02-7 534-52-1 87-86-5	ND	1 1 1 1 1 1 1 5 5
N-nitrosodimethylamine Bis(2-chloroethyl)ether 1,3-dichlorobenzene 1,4-dichlorobenzene 1,2-dichlorobenzene Bis-(2-chloroisopropyl)ether N-nitrosodi-n-propylamine Hexachloroethane Nitrobenzene Isophorone Bis-(2-chloroethoxy)methane 1,2,4-trichlorobenzene Naphthalene Hexachlorobutadiene 2-chloronaphthalene	62-75-9 111-44-4 541-73-7 106-46-7 95-50-1 108-60-1 621-64-7 67-72-1 98-95-3 78-59-1 111-91-1 120-82-1 91-20-3 87-68-3 91-58-7	ND N	5 1 1 1 1 1 1 1 1 1 1 1

EPA METHOD 625 ACID & BASE/NEUTRAL EXTRACTABLES (Cont'd)

Sample I.D.: STOODY, MW-1

Client: STOODY / INDUSTRY

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
BASE/NEUTRAL COMPOUNDS			
Hexachlorocyclopentadiene	77-47-4	ND	1
Dimethyl phthalate	131-11-3	ND	10
Acenaphthylene Acenaphthene	208-96-8 83-32-9	ND	1
2,4-dinitrotoluene	121-14-2	ND	1
2,6-dinitrotoluene	606-20-2	ND	1
Diethyl phthalate	84-66-2	ND ND	1
4-chlorophenylphenylether	7005-72-3	ND	1
Fluorene	86-73-7	ND	1
N-nitrosodiphenylamine	86-30-6	ND	1
4-bromophenylphenylether	101-55-3	ND	1
Hexachlorobenzene	118-74-1	ND	1
Phenanthrene	85-01-8	ND	1
Anthracene	120-12-7	ND	1 1
Di-n-butylphthalate	84-74-2	ND	i
Fluoranthene	206-44-2	ND	1
Benzidine	92-87-5	ND	30
Pyrene	129-00-0	ND	1
Benzylbutylphthalate	85-68-7	ND	1
3,3'-dichlorobenzidine	91-94-1	ND	40
Benzo(a)anthracene	56-55-3	ND	1
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	70
Chrysene	218-01-9	ND	2
Di-n-octylphthalate	117-84-0	ND	ī 1
Benzo(b)fluoranthene	205-99-2	ND	2
Benzo(k)fluoranthene	207-08-9	ND	1
Benzo(a)pyrene	50-32-8	ND	ī
Indeno(1,2,3-cd)pyrene	193-39-5	ND	<u> </u>
Dibenzo(a,h)anthracene	53-70-3	ND	1
Benzo(ghi)perylene	191-24-2	ND	1

1

1

1

1

EPA METHOD 625 ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: STOODY, MW-2 Client: STOODY / INDUSTRY Sample Received: 10/17/89 Client Ref. No.: 21171.00 Sample Extracted: 10/20/89 Sample Analyzed: 10/24/89 Lab Client Code: INT EEC Sample Matrix: WATER Lab No.: 8910185-02E Concentration Limit of Detection Compound CAS # uq/L ug/L ACID COMPOUNDS Phenol 108-95-2 ND 1 2-chlorophenol 95-57-8 ND 1 2-nitrophenol 88-75-5 ND 1 2,4-dimethylphenol 105-67-9 ND 1 2,4-dichlorophenol 120-83-2 ND 1 4-chloro-3-methylphenol 59-50-7 ND 1 2,4,6-trichlorophenol 88-06-2 ND 1 2,4-dinitrophenol 51-28-5 ND 5 4-nitrophenol 100-02-7 ND 5 2-methyl-4,6-dinitrophenol 534-52-1 ND 1 Pentachlorophenol 87-86-5 ND 1 BASE/NEUTRAL COMPOUNDS N-nitrosodimethylamine 62-75-9 ND 5 Bis(2-chloroethyl)ether 111-44-4 ND 1 1,3-dichlorobenzene 541-73-7 ND 1 1,4-dichlorobenzene 106-46-7 ND 1 1,2-dichlorobenzene 95-50-1 ND 1 Bis-(2-chloroisopropyl)ether 108-60-1 ND 1 N-nitrosodi-n-propylamine 621-64-7 ND 1 Hexachloroethane 67-72-1 ND 1 Nitrobenzene 98-95-3 ND 1 Isophorone 78-59-1 ND 1 Bis-(2-chloroethoxy) methane 111-91-1 ND 1 1,2,4-trichlorobenzene 120-82-1 ND

91-20-3

87-68-3

91-58-7

ND

ND

ND

ND = Not detected at or above limit of detection

Naphthalene

Hexachlorobutadiene

2-chloronaphthalene

EPA METHOD 625 ACID & BASE/NEUTRAL EXTRACTABLES (Cont'd)

Sample I.D.: STOODY, MW-2

Client: STOODY / INDUSTRY

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
BASE/NEUTRAL COMPOUNDS			
Hexachlorocyclopentadiene Dimethyl phthalate Acenaphthylene Acenaphthene 2,4-dinitrotoluene 2,6-dinitrotoluene Diethyl phthalate 4-chlorophenylphenylether Fluorene N-nitrosodiphenylamine 4-bromophenylphenylether Hexachlorobenzene Phenanthrene Anthracene Di-n-butylphthalate Fluoranthene Benzidine Pyrene Benzylbutylphthalate 3,3'-dichlorobenzidine Benzo(a)anthracene Bis-(2-ethylhexyl)phthalate Chrysene Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene	77-47-4 131-11-3 208-96-8 83-32-9 121-14-2 606-20-2 84-66-2 7005-72-3 86-73-7 86-30-6 101-55-3 118-74-1 85-01-8 120-12-7 84-74-2 206-44-2 92-87-5 129-00-0 85-68-7 91-94-1 56-55-3 117-81-7 218-01-9 117-84-0 205-99-2 207-08-9	ND N	1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(ghi)perylene	50-32-8 193-39-5 53-70-3 191-24-2	ND ND ND ND	1 1 1 1

EPA METHOD 625 ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: STOODY, MW-3 Sample Received: 10/17/89 Sample Extracted: 10/25/89 Sample Analyzed: 10/26/89 Sample Matrix: WATER		Client: STOODY / Client Ref. No.: Lab Client Code: Lab No.: 8910185	21171.00 INT_EEC
Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
ACID COMPOUNDS		·	
Phenol 2-chlorophenol 2-nitrophenol 2,4-dimethylphenol 2,4-dichlorophenol 4-chloro-3-methylphenol 2,4,6-trichlorophenol 2,4-dinitrophenol 4-nitrophenol 2-methyl-4,6-dinitrophenol Pentachlorophenol	108-95-2 95-57-8 88-75-5 105-67-9 120-83-2 59-50-7 88-06-2 51-28-5 100-02-7 534-52-1 87-86-5	ND	1 1 1 1 1 1 5 5
BASE/NEUTRAL COMPOUNDS			
N-nitrosodimethylamine Bis(2-chloroethyl)ether 1,3-dichlorobenzene 1,4-dichlorobenzene 1,2-dichlorobenzene Bis-(2-chloroisopropyl)ether N-nitrosodi-n-propylamine Hexachloroethane Nitrobenzene Isophorone Bis-(2-chloroethoxy)methane 1,2,4-trichlorobenzene Naphthalene	62-75-9 111-44-4 541-73-7 106-46-7 95-50-1 108-60-1 621-64-7 67-72-1 98-95-3 78-59-1 111-91-1 120-82-1 91-20-3	ND N	5 1 1 1 1 1 1 1 1 1
Hexachlorobutadiene	87-68-3	ND	1

ND = Not detected at or above limit of detection

91-58-7

ND

2-chloronaphthalene

EPA METHOD 625 ACID & BASE/NEUTRAL EXTRACTABLES (Cont'd)

Sample I.D.: STOODY, MW-3 Client: STOODY / INDUSTRY

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
BASE/NEUTRAL COMPOUNDS			
Hexachlorocyclopentadiene	77-47-4	ND	1
Dimethyl phthalate	131-11-3	ND	10
Acenaphthylene	208-96-8	ND	1
Acenaphthene	83-32-9	ND	į
2,4-dinitrotoluene	121-14-2	ND	ī
2,6-dinitrotoluene	606-20-2	ND	ī
Diethyl phthalate	84-66-2	ND	ī
4-chlorophenylphenylether	7005-72-3	ND	1
Fluorene	86-73-7	ND	i
N-nitrosodiphenylamine	86-30-6	ND	i
4-bromophenylphenylether	101-55-3	ND	i
Hexachlorobenzene	118-74-1	ND	1
Phenanthrene	85-01-8	ND	1
Anthracen e	120-12-7	ND	ī
Di-n-butylphthalate	84-74-2	ND	ī
Fluoranthene	206-44-2	ND	î
Benzidine	92-87-5	ND	30
Pyrene	129-00-0	ND	1
Benzylbutylphthalate	85-68-7	ND	ī
3,3'-dichlorobenzidine	91-94-1	ND	40
Benzo(a)anthracene	56-55-3	ND	1
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	70
Chrysene	218-01-9	ND	2
Di-n-octylphthalate	117-84-0	ND	1
Benzo(b)fluoranthene	205-99-2	ND	2
Benzo(k)fluoranthene	207-08-9	ND	1
Benzo(a)pyrene	50-32-8	ND	1
Indeno(1,2,3-cd)pyrene	193-39-5	ND	1
Dibenzo(a,h)anthracene	53-70-3	ND	1
Benzo(ghi)perylene	191-24-2	ND	1

EPA METHOD 625 ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: STOODY, MW-4 Client: STOODY / INDUSTRY Sample Received: 10/17/89 Client Ref. No.: 21171.00 Sample Extracted: 10/20/89 Sample Analyzed: 10/24/89 Lab Client Code: INT_EEC Sample Matrix: WATER Lab No.: 8910185-04C Concentration Limit of Detection Compound CAS # ug/L ug/L ACID COMPOUNDS Phenol 108-95-2 ND 1 2-chlorophenol 95-57-8 ND 1 2-nitrophenol 88-75-5 ND 1 2,4-dimethylphenol 105-67-9 ND 1 2,4-dichlorophenol 120-83-2 ND 1 4-chloro-3-methylphenol 59-50-7 ND 1 2,4,6-trichlorophenol 88-06-2 ND 1 2,4-dinitrophenol 51-28-5 ND 5 4-nitrophenol 100-02-7 ND 5 2-methyl-4,6-dinitrophenol 534-52-1 ND 1 87-86-5 Pentachlorophenol ND 1 BASE/NEUTRAL COMPOUNDS N-nitrosodimethylamine 62-75-9 ND 5 Bis(2-chloroethyl)ether 111-44-4 ND 1 1,3-dichlorobenzene 541-73-7 ND 1 1,4-dichlorobenzene 106-46-7 ND 1 1,2-dichlorobenzene 95-50-1 ND 1 Bis-(2-chloroisopropyl)ether 108-60-1 ND 1 N-nitrosodi-n-propylamine 621-64-7 ND 1 67-72-1 Hexachloroethane ND 1 Nitrobenzene 98-95-3 ND 1 Isophorone 78-59-1 ND 1 Bis-(2-chloroethoxy)methane 111-91-1 ND 1 1,2,4-trichlorobenzene 120-82-1 ND 1 Naphthalene 91-20-3 ND 1

ND = Not detected at or above limit of detection

87-68-3

91-58-7

ND

ND

1

1

Hexachlorobutadiene

2-chloronaphthalene

EPA METHOD 625 ACID & BASE/NEUTRAL EXTRACTABLES (Cont'd)

Sample I.D.: STOODY, MW-4

Client: STOODY / INDUSTRY

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
BASE/NEUTRAL COMPOUNDS			
Hexachlorocyclopentadiene	77-47-4	ND	1
Dimethyl phthalate	131-11-3	ND	10
Acenaphthylene	208-96-8	ND	1
Acenaphthene	83-32-9	ND	1
2,4-dinitrotoluene	121-14-2	ND	1
2,6-dinitrotoluene	606-20-2	ND	1
Diethyl phthalate	84-66-2	ND	1
4-chlorophenylphenylether	7005-72-3	ND	1
Fluorene	86-73-7	ND	1
N-nitrosodiphenylamine	86-30-6	ND	1
4-bromophenylphenylether	101-55-3	ND	1
Hexachlorobenzene	118-74-1	ND	1
Phenanthrene	85-01-8	ND	1
Anthracene	120-12-7	ND	1
Di-n-butylphthalate	84-74-2	ND	1
Fluoranthene	206-44-2	ИD	1
Benzidine	92-87-5	ND	30
Pyrene	129-00-0	ND	1
Benzylbutylphthalate	85-68-7	ND	1
3,3'-dichlorobenzidine	91-94-1	ND	40
Benzo(a)anthracene	56-55 -3	ND	1
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	70
Chrysene	218-01-9	ND	2
Di-n-octylphthalate	117-84-0 \	ND	1
Benzo(b)fluoranthene	205-99-2	ND	2
Benzo(k)fluoranthene	207-08-9	ND	1
Benzo(a)pyrene	50-32-8	ND	1
Indeno(1,2,3-cd)pyrene	193-39-5	ND	1
Dibenzo(a,h)anthracene	53-70-3	ND	1
Benzo(ghi)perylene	191-24-2	ND	1

EPA METHOD 625 ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: STOODY, FB Sample Received: 10/17/89 Sample Extracted: 10/20/89 Sample Analyzed: 10/24/89 Sample Matrix: WATER		Client: STOODY / Client Ref. No.: Lab Client Code: Lab No.: 8910185	21171.00 INT_EEC
Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
ACID COMPOUNDS			
Phenol 2-chlorophenol 2-nitrophenol 2,4-dimethylphenol 2,4-dichlorophenol 4-chloro-3-methylphenol 2,4,6-trichlorophenol 2,4-dinitrophenol 4-nitrophenol 2-methyl-4,6-dinitrophenol Pentachlorophenol	108-95-2 95-57-8 88-75-5 105-67-9 120-83-2 59-50-7 88-06-2 51-28-5 100-02-7 534-52-1 87-86-5	ND	1 1 1 1 1 1 5 5 1
N-nitrosodimethylamine Bis(2-chloroethyl)ether 1,3-dichlorobenzene 1,4-dichlorobenzene 1,2-dichlorobenzene Bis-(2-chloroisopropyl)ether N-nitrosodi-n-propylamine Hexachloroethane Nitrobenzene Isophorone Bis-(2-chloroethoxy)methane 1,2,4-trichlorobenzene Naphthalene Hexachlorobutadiene 2-chloronaphthalene	62-75-9 111-44-4 541-73-7 106-46-7 95-50-1 108-60-1 621-64-7 67-72-1 98-95-3 78-59-1 111-91-1 120-82-1 91-20-3 87-68-3 91-58-7	ND N	5 1 1 1 1 1 1 1 1 1 1 1 1

EPA METHOD 625 ACID & BASE/NEUTRAL EXTRACTABLES (Cont'd)

Sample I.D.: STOODY, FB

Client: STOODY / INDUSTRY

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
BASE/NEUTRAL COMPOUNDS			
Hexachlorocyclopentadiene	77-47-4	ND	1
Dimethyl phthalate	131-11-3	ND	10
Acenaphthylene	208-96-8	ND	1
Acenaphthene	83-32-9	ND	1
2,4-dinitrotoluene	121-14-2	ND	1
2,6-dinitrotoluene	606-20-2	ND	. 1
Diethyl phthalate	84-66-2	ND	1
4-chlorophenylphenylether	7005-72-3	. ND	i
Fluorene	86-73-7	ND	1
N-nitrosodiphenylamine	86-30-6	ND	ī
4-bromophenylphenylether	101-55-3	ND	1
Hexachlorobenzene	118-74-1	ND	1
Phenanthrene	85-01-8	ND	ī
Anthracene	120-12-7	ND	<u></u>
Di-n-butylphthalate	84-74-2	ND	1
Fluoranthene	206-44-2	ND	1
Benzidine	92-87-5	ND	30
Pyrene	129-00-0	ND	1
Benzylbutylphthalate	85-68-7	ND	1
3,3'-dichlorobenzidine	91-94-1	ND	40
Benzo(a)anthracene	56-55 -3	ND	1
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	70
Chrysene	218-01-9	ND	2
Di-n-octylphthalate	117-84-0	ND	1
Benzo(b)fluoranthene	205-99-2	ND	2
Benzo(k)fluoranthene	207-08-9	ND	1
Benzo(a)pyrene	50-32-8	ND	· 1
Indeno(1,2,3-cd)pyrene	193-39-5	ND	1
Dibenzo(a,h)anthracene	53-70-3	ND	1
Benzo(ghi)perylene	191-24-2	ND	1

EPA METHOD 625 ACID & BASE/NEUTRAL EXTRACTABLES

METHOD BLANK Client: STOODY / INDUSTRY Sample I.D.: Sample Received: 10/17/89 Client Ref. No.: 21171.00 Sample Extracted: 10/20/89 Sample Analyzed: 10/24/89 Lab Client Code: INT EEC Sample Matrix: WATER Lab No.: 8910185-06A Concentration Limit of Detection Compound CAS # ug/L ug/L ACID COMPOUNDS Phenol 108-95-2 ND 1 2-chlorophenol 95-57-8 ND 1 88-75-5 ND 2-nitrophenol 1 2,4-dimethylphenol 105-67-9 ND 1 2,4-dichlorophenol 120-83-2 ND 1 4-chloro-3-methylphenol 59-50-7 ND 1 2,4,6-trichlorophenol 88-06-2 ND 1 2,4-dinitrophenol 51-28-5 ND 5 100-02-7 4-nitrophenol ND 5 2-methyl-4,6-dinitrophenol 534-52-1 ND 1 Pentachlorophenol 87-86-5 ND 1 BASE/NEUTRAL COMPOUNDS N-nitrosodimethylamine 62-75-9 ND 5 Bis(2-chloroethyl)ether 111-44-4 ND 1 1,3-dichlorobenzene 541-73-7 ND 1 1,4-dichlorobenzene 106-46-7 ND 1 95-50-1 1,2-dichlorobenzene ND 1 Bis-(2-chloroisopropyl)ether 108-60-1 ND 1 N-nitrosodi-n-propylamine 621-64-7 ND Hexachloroethane 67-72-1 ND 1 Nitrobenzene 98-95-3 ND 1 78-59-1 Isophorone ND 1 Bis-(2-chloroethoxy)methane 111-91-1 ND 1 1,2,4-trichlorobenzene 120-82-1 ND 1 Naphthalene 91-20-3 ND 1

87-68-3

91-58-7

ND

ND

1

ND = Not detected at or above limit of detection

Hexachlorobutadiene

2-chloronaphthalene

EPA METHOD 625 ACID & BASE/NEUTRAL EXTRACTABLES (Cont'd)

Sample I.D.: METHOD BLANK Client: STOODY / INDUSTRY

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
BASE/NEUTRAL COMPOUNDS			
Hexachlorocyclopentadiene	77-47-4	ND	1
Dimethyl phthalate	131-11-3	ND	10
Acenaphthylene	208-96-8	ND	1
Acenaphthene	83-32-9	ND	ī
2,4-dinitrotoluene	121-14-2	ND	ī
2,6-dinitrotoluene	606-20-2	ND	ī
Diethyl phthalate	84-66-2	ND	1
4-chlorophenylphenylether	7005-72-3	ND	ī
Fluoren e	86-73-7	מא	ī
N-nitrosodiphenylamine	86-30-6	ND	ī
4-bromophenylphenylether	101-55-3	ND	1
Hexachlorobenzene	118-74-1	ND	ī
Phenanthrene	85-01-8	ND	1
Anthracene	120-12-7	ND	1
Di-n-butylphthalate	84-74-2	ND	1
Fluoranthene	206-44-2	ND	1
Benzidine	92-87-5	ND	30
Pyrene	129-00-0	ND	· 1
Benzylbutylphthalate	85-68-7	ND	1
3,3'-dichlorobenzidine	91-94-1	ND	40
Benzo(a)anthracene	56-55-3	ND	1
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	70
Chrysene	218-01-9	ND	2
Di-n-octylphthalate	117-84-0	ND	1
Benzo(b)fluoranthene	205-99-2	ND	2
Benzo(k) fluoranthene	207-08-9	ND	1
Benzo(a)pyrene	50-32-8	ND	1
Indeno(1,2,3-cd)pyrene	193-39-5	ND	1
Dibenzo(a,h)anthracene	53-70-3	ND	1
Benzo(ghi)perylene	191-24-2	ND	1
1			

Sample I.D.: STOODY, MW-1 Client: STOODY / INDUSTRY

Sample Received: 10/17/89 Client Ref. No.: 21171.00

Sample Analyzed: 10/25/89 Lab Client Code: INT_EEC

Sample Matrix: WATER Lab No.: 8910185-01A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
Chloromethane	74-87-3	ND	10
Bromomethane	74-83-9	ND	4
Vinyl chloride	75-01-4	ND	4
Chloroethane	75-00-3	ND	4
Methylene chloride	75-09-2	ND	10
Trichlorofluoromethane	75-69-4	8	3
1,1-dichloroethene	75-35-4	32	3
1,1-dichloroethane	75-35-3	ИД	, 3
Trans-1,2-dichloroethene	156-60-5	ND	3
Chloroform	67-66-3	ИД	3 .
1,2-dichloroethane	107-06-2	ND	3
1,1,1-trichloroethane	71-55-6	3	3
Carbon tetrachloride	56-23-5	ND	3
Bromodichloromethane	75-27-4	ND	3 3 3 3 3 3 4 2 2
1,2-dichloropropane	78-87-5	ND	3
Cis-1,3-dichloropropene	10061-01-5	ND	3
Trichloroethene	79-01-6	73	4
Benzene	71-43-2	ND	2
Dibromochloromethane	124-48-1	ND	2
1,1,2-trichloroethane	79-00-5	ND	6 5 3
Frans-1,3-dichloropropene	10061-02-6	ND	5
2-chloroethylvinylether	100-75-8	ND	3
Bromoform	75-25-2	ND	3
1,1,2,2-tetrachloroethane	79-34-5	ND	4
Fetrachloroethene	127-18-4	120	4
Foluene	108-88-3	ND	2
Chlorobenzene	108-90-7	ND	3
Ethylbenzene	100-41-4	ND	3
1,3-dichlorobenzene	541-73-7	ND	3
1,2-dichlorobenzene	95-50-1	ND	3
l,4-dichlorobenzene	106-46-7	ND	4 2 3 3 3 3 3 3
reon 113	76-13-1	19	3
<pre>fotal Xylenes</pre>	1330-20-7	ND	3

JD = Not detected at or above limit of detection

Sample I.D.: STOODY, MW-2 Client: STOODY / INDUSTRY

Sample Received: 10/17/89 Client Ref. No.: 21171.00

Sample Analyzed: 10/25/89 Lab Client Code: INT_EEC

Sample Matrix: WATER Lab No.: 8910185-02A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
Chloromethane	74-87-3	ND	10
Bromomethane	74-83-9	ND	4
Vinyl chloride	75-01-4	ND	4
Chloroethane	75-00-3	ND	4
Methylene chloride	75-09-2	ND	10
Trichlorofluoromethane	75-69-4	4	3
1,1-dichloroethene	75-35-4	18	3
1,1-dichloroethane	75-35-3	ND	3
Trans-1,2-dichloroethene	156-60-5	4	3
Chloroform	67-66-3	ND	3
1,2-dichloroethane	107-06-2	ND	3
1,1,1-trichloroethane	71-55-6	ND	3
Carbon tetrachloride	56-23-5	ND	3
Bromodichloromethane	75-27-4	ND	3 3 3 3 3 3 3 3 4
1,2-dichloropropane	78-87-5	ND	3
Cis-1,3-dichloropropene	10061-01-5	ND	3
Trichloroethene	79-01-6	37	4
Benzene	71-43-2	ND	2
Dibromochloromethane	124-48-1	ND	2 2 6
1,1,2-trichloroethane	79-00-5	ND	6
Trans-1,3-dichloropropene	10061-02-6	ND	5 3
2-chloroethylvinylether	100-75-8	ND	
Bromoform	75-25-2	ND	3
1,1,2,2-tetrachloroethane	79-34-5	ND	4
Tetrachloroethene	127-18-4	120	4
Toluene	108-88-3	ND	2
Chlorobenzene	108-90-7	ND	3
Ethylbenzene	100-41-4	ND	2 3 3 3 3 3 3
1,3-dichlorobenzene	541-73-7	ND	3
1,2-dichlorobenzene	95-50-1	ND	3
1,4-dichlorobenzene	106-46-7	ND	3
Freon 113	76-13-1	11	3
Total Xylenes	1330-20-7	ND	3

Sample I.D.: STOODY, MW-3 Client: STOODY / INDUSTRY

Sample Received: 10/17/89 Client Ref. No.: 21171.00

Sample Analyzed: 10/25/89 Lab Client Code: INT_EEC

Sample Matrix: WATER Lab No.: 8910185-03A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
Chloromethane	74-87-3	ND	10
Bromomethane	74-83-9	ND	4
Vinyl chloride	75-01-4	ND	4
Chloroethane	75-00-3	ND	4
Methylene chloride	75-09-2	ND	10
Trichlorofluoromethane	75-69-4	ND	3
1,1-dichloroethene	75-35-4	6	
1,1-dichloroethane	75-35-3	ND	3
Trans-1,2-dichloroethene	156-60-5	ND	3 3 3 3 3 3 3
Chloroform	67-66-3	ND	3
1,2-dichloroethane	107-06-2	ND	3
1,1,1-trichloroethane	71-55-6	ND	3
Carbon tetrachloride	56-23-5	ND	3
Bromodichloromethane	75-27-4	ND	3
1,2-dichloropropane	78-87-5	ND	
Cis-1,3-dichloropropene	10061-01-5	ND	3
Trichloroethene	79-01-6	21	4
Benzene	71-43-2	ND	2
Dibromochloromethane	124-48-1	ND	2
1,1,2-trichloroethane	79-00-5	ND	6
Trans-1,3-dichloropropene	10061-02-6	ND	
2-chloroethylvinylether	100-75-8	ND	5 3 3
Bromoform	75-25-2	ND	
1,1,2,2-tetrachloroethane	79-34-5	ND	4
Tetrachloroethene	127-18-4	36	4
Toluene	108-88-3	ND	2
Chlorobenzene	108-90-7	ND	3
Ethylbenzene	100-41-4	ND	3
1,3-dichlorobenzene	541-73-7	ND	3
1,2-dichlorobenzene	95-50-1	ND	3 3 3 3 3 3
1,4-dichlorobenzene	106-46-7	ND	3
Freon 113	76-13-1	ND	3
Total Xylenes	1330-20-7	ND	3

Sample I.D.: STOODY, MW-4 Client: STOODY / INDUSTRY

Sample Received: 10/17/89 Client Ref. No.: 21171.00

Sample Analyzed: 10/25/89 Lab Client Code: INT_EEC

Sample Matrix: WATER Lab No.: 8910185-04A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
Chloromethane	74-87-3	ND	10
Bromomethane	74-83-9	ND	4
Vinyl chloride	75-01-4	ND	4
Chloroethane	75-00-3	ND	4
Methylene chloride	75-09-2	ND	10
Trichlorofluoromethane	75-69-4	· 5	
1,1-dichloroethene	75-35-4	22	3
1,1-dichloroethane	75-35 -3	ND	3 3 3 3 3 3 3 3 4
Trans-1,2-dichloroethene	156-60-5	4	3
Chloroform	67-66-3	ND	3
1,2-dichloroethane	107-06-2	ND	3
1,1,1-trichloroethane	71-55-6	ND	3
Carbon tetrachloride	56-23 -5	ND	3
Bromodichloromethane	75-27-4	ND	3
1,2-dichloropropane	78-87-5	ND	3
Cis-1,3-dichloropropene	10061-01-5	ND	3
Trichloroethene	79-01-6	52	4
Benzene	71-43-2	ND	2 2
Dibromochloromethane	124-48-1	ND	
1,1,2-trichloroethane	79-00-5	ND	6
Trans-1,3-dichloropropene	10061-02-6	ND	5
2-chloroethylvinylether	100-75-8	ND	5 3 3 4
Bromoform	75-25-2	ND	3
1,1,2,2-tetrachloroethane	79-34-5	ND	4
Tetrachloroethene	127-18-4	120	4
Toluene	108-88-3	ND	2
Chlorobenzene	108-90-7	ND	3
Ethylbenzene	100-41-4	ND	3
1,3-dichlorobenzene	541-73-7	ND	3
1,2-dichlorobenzene	95-50-1	ND	2 3 3 3 3 3 3
1,4-dichlorobenzene	106-46-7	ND	3
Freon 113	76-13-1	13	3
rotal Xylenes	1330-20-7	ND	3

Sample I.D.: STOODY, FB Client: STOODY / INDUSTRY

Sample Received: 10/17/89 Client Ref. No.: 21171.00

Sample Analyzed: 10/25/89 Lab Client Code: INT_EEC

Sample Matrix: WATER Lab No.: 8910185-05A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
Chloromethane	74-87-3	ND	10
Bromomethane	74-83-9	ND	4
Vinyl chloride	75-01-4	ND	4
Chloroethane	75-00-3	ND	4
Methylene chloride	75-09-2	ND	10
Trichlorofluoromethane	75-69-4	4	3
1,1-dichloroethene	75-35-4	ND	_. 3
1,1-dichloroethane	75-35-3	ND	3 . 3 3 3 3 3 3 3 4
Trans-1,2-dichloroethene	156-6 0-5	ND	3
Chloroform	67-66-3	16	3
1,2-dichloroethane	107-06-2	ND	3
1,1,1-trichloroethane	71-55-6	ND	3
Carbon tetrachloride	56-23-5	ND	3
Bromodichloromethane	75-27-4	16	3
1,2-dichloropropane	78-87-5	ND	3
Cis-1,3-dichloropropene	10061-01-5	ND	3
Trichloroethene	79-01-6	ND	4
Benzene	71-43-2	ND	2 2
Dibromochloromethane	124-48-1	17	2
1,1,2-trichloroethane	79-00-5	ND	6
Frans-1,3-dichloropropene	10061-02-6	ND	5
2-chloroethylvinylether	100-75-8	ND	3
3romoform	75-25-2	4	6 5 3 3
1,1,2,2-tetrachloroethane	79-34-5	ND	4
[etrachloroethene	127-18-4	ND	4
<pre>Foluene</pre>	108-88-3	ND	4 2
Chlorobenzene	108-90-7	ND	3
Sthylbenzene	100-41-4	ND	. 3
3-dichlorobenzene	541-73-7	ND	3
.2-dichlorobenzene	95-50-1	ND	3 3 3 3 3
.,4-dichlorobenzene	106-46-7	ND	3
reon 113	76-13-1	ND	ž
otal Xylenes	1330-20-7	ND	3
			•

Sample I.D.: METHOD BLANK Client: STOODY / INDUSTRY

Sample Received: 10/17/89 Client Ref. No.: 21171.00

Sample Analyzed: 10/25/89 Lab Client Code: INT_EEC

Sample Matrix: WATER Lab No.: 8910185-06A

Chloromethane 74-87-3 ND Bromomethane 74-83-9 ND Vinyl chloride 75-01-4 ND Chloroethane 75-00-3 ND Methylene chloride 75-09-2 ND Trichlorofluoromethane 75-69-4 ND 1,1-dichloroethene 75-35-4 ND 1,1-dichloroethane 75-35-3 ND Trans-1,2-dichloroethene 156-60-5 ND Chloroform 67-66-3 ND 1,2-dichloroethane 107-06-2 ND 1,1,1-trichloroethane 71-55-6 ND Carbon tetrachloride 56-23-5 ND Bromodichloromethane 75-27-4 ND 1,2-dichloropropane 78-87-5 ND Cis-1,3-dichloropropene 10061-01-5 ND Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	10 4 4 4 10 3
Vinyl chloride 75-01-4 ND Chloroethane 75-00-3 ND Methylene chloride 75-09-2 ND Trichlorofluoromethane 75-69-4 ND 1,1-dichloroethene 75-35-4 ND 1,1-dichloroethane 75-35-3 ND Trans-1,2-dichloroethene 156-60-5 ND Chloroform 67-66-3 ND 1,2-dichloroethane 71-55-6 ND Carbon tetrachloride 56-23-5 ND Bromodichloromethane 75-27-4 ND 1,2-dichloropropane 78-87-5 ND Cis-1,3-dichloropropene 10061-01-5 ND Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	4 4 10 3
Chloroethane 75-00-3 ND Methylene chloride 75-09-2 ND Trichlorofluoromethane 75-69-4 ND 1,1-dichloroethene 75-35-4 ND 1,1-dichloroethane 75-35-3 ND Trans-1,2-dichloroethene 156-60-5 ND Chloroform 67-66-3 ND 1,2-dichloroethane 107-06-2 ND 1,1,1-trichloroethane 71-55-6 ND Carbon tetrachloride 56-23-5 ND Bromodichloromethane 75-27-4 ND 1,2-dichloropropane 78-87-5 ND Cis-1,3-dichloropropene 10061-01-5 ND Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	4 10 3
Methylene chloride 75-09-2 ND Trichlorofluoromethane 75-69-4 ND 1,1-dichloroethene 75-35-4 ND 1,1-dichloroethane 75-35-3 ND Trans-1,2-dichloroethene 156-60-5 ND Chloroform 67-66-3 ND 1,2-dichloroethane 107-06-2 ND 1,1,1-trichloroethane 71-55-6 ND Carbon tetrachloride 56-23-5 ND Bromodichloromethane 75-27-4 ND 1,2-dichloropropane 78-87-5 ND Cis-1,3-dichloropropene 10061-01-5 ND Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	10 3
Trichlorofluoromethane 75-69-4 ND 1,1-dichloroethene 75-35-4 ND 1,1-dichloroethane 75-35-3 ND Trans-1,2-dichloroethene 156-60-5 ND Chloroform 67-66-3 ND 1,2-dichloroethane 107-06-2 ND 1,1,1-trichloroethane 71-55-6 ND Carbon tetrachloride 56-23-5 ND Bromodichloromethane 75-27-4 ND 1,2-dichloropropane 78-87-5 ND Cis-1,3-dichloropropene 10061-01-5 ND Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	3
1,1-dichloroethene 75-35-4 ND 1,1-dichloroethane 75-35-3 ND Trans-1,2-dichloroethene 156-60-5 ND Chloroform 67-66-3 ND 1,2-dichloroethane 107-06-2 ND 1,1,1-trichloroethane 71-55-6 ND Carbon tetrachloride 56-23-5 ND Bromodichloromethane 75-27-4 ND 1,2-dichloropropane 78-87-5 ND Cis-1,3-dichloropropene 10061-01-5 ND Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	
1,1-dichloroethane 75-35-3 ND Trans-1,2-dichloroethene 156-60-5 ND Chloroform 67-66-3 ND 1,2-dichloroethane 107-06-2 ND 1,1,1-trichloroethane 71-55-6 ND Carbon tetrachloride 56-23-5 ND Bromodichloromethane 75-27-4 ND 1,2-dichloropropane 78-87-5 ND Cis-1,3-dichloropropene 10061-01-5 ND Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	
Trans-1,2-dichloroethene 156-60-5 ND Chloroform 67-66-3 ND 1,2-dichloroethane 107-06-2 ND 1,1,1-trichloroethane 71-55-6 ND Carbon tetrachloride 56-23-5 ND Bromodichloromethane 75-27-4 ND 1,2-dichloropropane 78-87-5 ND Cis-1,3-dichloropropene 10061-01-5 ND Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	3
Chloroform 67-66-3 ND 1,2-dichloroethane 107-06-2 ND 1,1,1-trichloroethane 71-55-6 ND Carbon tetrachloride 56-23-5 ND Bromodichloromethane 75-27-4 ND 1,2-dichloropropane 78-87-5 ND Cis-1,3-dichloropropene 10061-01-5 ND Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	3
1,2-dichloroethane 107-06-2 ND 1,1,1-trichloroethane 71-55-6 ND Carbon tetrachloride 56-23-5 ND Bromodichloromethane 75-27-4 ND 1,2-dichloropropane 78-87-5 ND Cis-1,3-dichloropropene 10061-01-5 ND Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	3
1,1,1-trichloroethane 71-55-6 ND Carbon tetrachloride 56-23-5 ND Bromodichloromethane 75-27-4 ND 1,2-dichloropropane 78-87-5 ND Cis-1,3-dichloropropene 10061-01-5 ND Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	3
Carbon tetrachloride 56-23-5 ND Bromodichloromethane 75-27-4 ND 1,2-dichloropropane 78-87-5 ND Cis-1,3-dichloropropene 10061-01-5 ND Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	3
Bromodichloromethane 75-27-4 ND 1,2-dichloropropane 78-87-5 ND Cis-1,3-dichloropropene 10061-01-5 ND Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	3
1,2-dichloropropane 78-87-5 ND Cis-1,3-dichloropropene 10061-01-5 ND Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	3
Cis-1,3-dichloropropene 10061-01-5 ND Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	3 3 3 3 3 3 3 3 3 3
Trichloroethene 79-01-6 ND Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	3
Benzene 71-43-2 ND Dibromochloromethane 124-48-1 ND	
Dibromochloromethane 124-48-1 ND	4 2 2
	2
	2
1,1,2-trichloroethane 79-00-5 ND	6
Trans-1,3-dichloropropene 10061-02-6 ND	5
2-chloroethylvinylether 100-75-8 ND	5 3 3
Bromoform 75-25-2 ND	3
1,1,2,2-tetrachloroethane 79-34-5 ND	4
Tetrachloroethene 127-18-4 ND	4
Toluene 108-88-3 ND	2
Chlorobenzene 108-90-7 ND	3
Ethylbenzene 100-41-4 ND	3
1,3-dichlorobenzene 541-73-7 ND	3
1,2-dichlorobenzene 95-50-1 ND	3
1,4-dichlorobenzene 106-46-7 ND	3
Freon 113 76-13-1 ND	4 2 3 3 3 3 3 3
rotal Xylenes 1330-20-7 ND	3

ND = Not detected at or above limit of detection

INORGANIC LABORATORY ANALYSES

Sample I.D.:	See below	Client:	STOODY/INDUSTRY
Sample Received	1: 10/17/89	Client Ref. No.:	21171.00
Sample Analyzed	: See below	Lab Client Code:	INT_EEC
Sample Matrix:	Water	Lab No.:	8910185
Batch Sub. No.	Sample Identification	Total Dissolved Solids (mg/L)	Chloride (mg/L)
-01	Stoody, MW-1	1,000	120
-02	Stoody, MW-2	920	100
-03	Stoody, MW-3	1,300	160
-04	Stoody, MW-4	830	85
-05	Stoody, MW-5	540	70
-MB	Method Blank	<5	<1

Limit of Detection:

Date Analyzed:

10/20/89

5

10/23/89

1

Method Reference:

EPA 160.1

EPA 325.3

< = less than, below limit of detection</pre>

INORGANIC LABORATORY ANALYSES

Sample I.D.:	See below	Client:	STOODY/INDUSTRY						
Sample Receive	ed: 10/17/89	Client Ref. No.:	21171.00						
Sample Analyzo	ed: See below	Lab Client Code:	INT_EEC						
Sample Matrix	: Water	Lab No.:	8910185						
Batch Sub. No.	Sample Identification	Nitrate as Nitrogen (mg/L)	Sulfate (mg/L)						
-01	Stoody, MW-1	12	290						
-02	Stoody, MW-2	8.7	250						
-03	Stoody, MW-3	15	340						
-04	Stoody, MW-4	7.0	220						
-05	Stoody, MW-5	2.3	150						
-МВ	Method Blank	<0.05	<1						
Limit of Dete	ction:	0.05	1						
Date Analyzed	:	10/20/89	10/20/89						
Method Refere	nce:	EPA 353.3	EPA 375.4						
<pre>< = less than</pre>	, below limit of detec	tion							

Clayton

NVIRONMENTAL ONSULTANTS

REQUEST FOR LABORATORY ANALYTICAL SERVICES

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Client No.	Batch No. 2	Project No.	The part of the pa
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Inne Date Logged in 10 17 18 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Haritan Center 160 Fieldcrest Ave. Edison, NJ 08837 (201) 225-6040	Basis amples to one of the	gnature Must Accompan	Ulan		7.		1			(No3)	(CP)	(625)		\nearrow	(C/s)		7		MPLE IDENTIFICATION	P-H2504	9.	oa, limit of detection, pho	Pourin		ي ا	3 70	Selvo.		an Company	•
Date Logged in 10/18/18/18/18/18/18/18/18/18/18/18/18/18/	400 Chastain Center E Suite 490 Kennesaw, GA 30144 (404) 499-7500	e Clayton Environmenta	y Request)			Date/	Date	- -	+		h "			-	11	_	,,	7					one results, rush results,		Charges Authorized?	CN 6 30-	1mc2		ŀ	1	
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Date Logged in 10 / 8 / 8 Dept. Telefax No. Telefax No. Dept. Dept.	966 7.	1000	ROXIT is C	COR HW-11	ndition upon receipt:	Mak how	ave:				7			\			1			1	17.	Jan	Value all A in the box below	(Friedrich William)	Telephone No.	City, State, Zip	Mailing Address	Company		٠	T
a 'P' H Preservative added') a 'P' H Preservative added') FOR IA SE ON FOR IA USE ON FOR IA SE ON SE O	DISTRIBUTION WHITE YELLOW PINK	21.0		· ·	Charlines .	THE WAR		1/9//	\ <u>\</u>	200		<u> </u>		1		1					Ś		v to indicate request; Enter	ANALYSIS REQUESTED	Telef	Hall	0 1 1	11 / Tr			
	Clayton Laboratory Clayton Accounting Client Retains	4 10 100	LANGERT O	Se Park	10/10/	Į	050		747		2	J.	=		+	BROKEN	0 x 0	-		USE ONL			a 'P' If Preservative added*)	EX TOC.	N No		Dept.		189 By V	1/20 By 1/2	

Clayton ENVIRONMENTAL CONSULTANTS

REQUEST FOR LABORATORY **ANALYTICAL SERVICES**

For Clayton Use	Only Page	2 of	3-
Project No.			*
Batch No. 2	910185		
Client No.	0471		
Date Received	10/17/89	By 🛬	
Date Logged in	10/18/84	By 🗸	
	break		

	Marsh & McLennan Company	·o.						Date	.ogged	in 19	118/		Ву				
Purchase	Order No. Cile	ent Job No. 🏒	1171.00)	0	Name Title											
ш	Name KEN VERMON		····		RT S TO	Company Malling Address Amagenta Samana								Dept.			
SEND INVOICE TO	Company CLAYTUH ENVIRONM	ENTAL	٥	ept. L-L-	REPORT RESULTS T	Mailin	g Addr	es s			741						
		tur.			ES ES	City,	State, Z	p						·····			
	City, State, Zip Gypre SS			Telephone No. Telefax No.													
	uits Required: Rush Cha	E No		ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added*)											rd#}		
	nstructions: (method, limit of detection, phone	esults, rush resu	ilts, etc.)		Number of Containers												" /
			•		Tate of the												
* Explana	ation of Preservative:				38	1	N E		/\$/	50 m/	5/	. 25				/ F(OR LAB
	P= H2504					18	12		<u>Z</u>		Z +	1.72.47					SE ONLY
	CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)													,
8,700	ou mw-3/624/(A!8)	10-16-89	WATER	840ml	2											03 A	B
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5,000	mu-3 (cps)	4	1,	8 12AL	1			~	\	\	7	Fr				C)
n,	MW-3 (NO3)	/1	11	212520							VP	4		,		VD	
2700/		11	4	3 40nl	2	/											1. B
5700	64 MW-4 (625)	',	4)	1 11_	1		/									REC'C BROK	EN
57000	w. mw-4 (CPs)	''	"1	VIGAL	1			1	/	/	夢	12				04 C	
57030	1 F8 (624 A(8)	"	•1	40ml	2	1	1									-05 A	I,B
57000	4. FB (625)	٠,	4	114	1		~									ECIA BRO	KEN
<u> 37002</u> 0	, FS (CPs)	17	7	VIGAL	1			~			重	de.				050	
CHAIN	Relinquished by: Kor Um-		Date/Time	12-16-69 16:00	Recei	ved by:				1		11	1	Date	Mime		
CUSTO	Relinquished by:		Date/Time			ved at l				11/1	1 1	Mar.	M	Date	/Time	10/12	189
(if require	Method of Shipment:		·		Samp	le cond	ition up	onrece	ivi:	1/6/2	5)	//	25			1/0	20
Authorize	nahun Kan (/20,00		- /s	3-16-89	12.	san	#51	nom.	MW-2	7	- F	B	25)			10	
- Authorize	(Client Signature Must Accompan	y Request)	Date			1 /	5 k	OK	EI	<i>J</i>	HI	PHE	W/				1.
Please r	eturn completed form and samples to one of the 45 Roethel Orive Raritan Center	Clayton Environ	mental Con	sultants, Inc. lab	s listed								RIBUT			·····	
∮ :;t 223	45 Roethel Orive Raritan Center	400 Chastain C	enter Blvd	N.W. 1252 C	luarry i	ane	sa. j	SAL.	Cont.	1)	W	HITE	- (Clayto	n Labor	ratory

Novi, MI 48050 160 Fieldcrest Ave. (313) 344-1770 Edison, NJ 08837 (201) 225-6040

400 Chastain Center Bivd., N.W. Suite 490

Kennesaw, GA 30144 (404) 499-7500

1252 Quarry Lane Pleasanton, CA 94566 (415) 426-2600

Clayton Laboratory Nos-Name rus. WHIZE YELLOW -

PINK

Clayton Accounting Client Retains